

Test Plot 1#: WLAN 2.4G Mode B_Close to Body Front_Low_Chain 0**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11b 2.4GHz; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.763$ S/m; $\epsilon_r = 40.328$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.6, 7.6, 7.6) @ 2412 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (101x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.682 W/kg

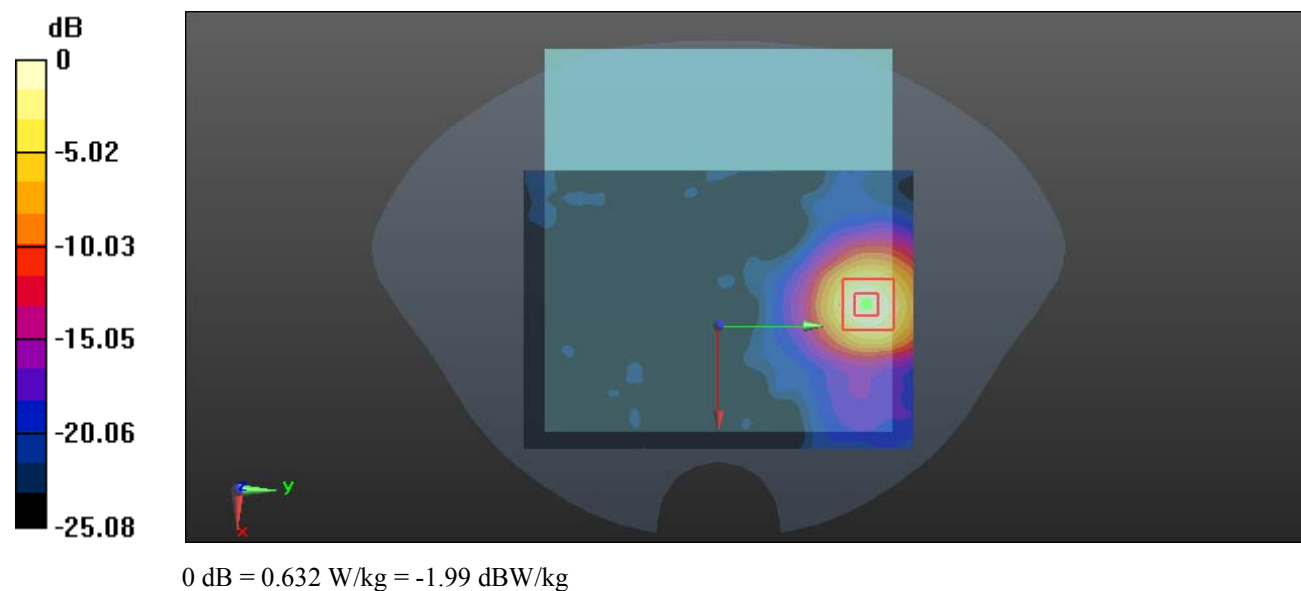
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.275 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.786 W/kg

SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.632 W/kg



Test Plot 2#: WLAN 2.4G Mode B_Close to Body Front_Mid_Chain 0**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11b 2.4GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.779$ S/m; $\epsilon_r = 40.241$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.6, 7.6, 7.6) @ 2437 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (101x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.443 W/kg

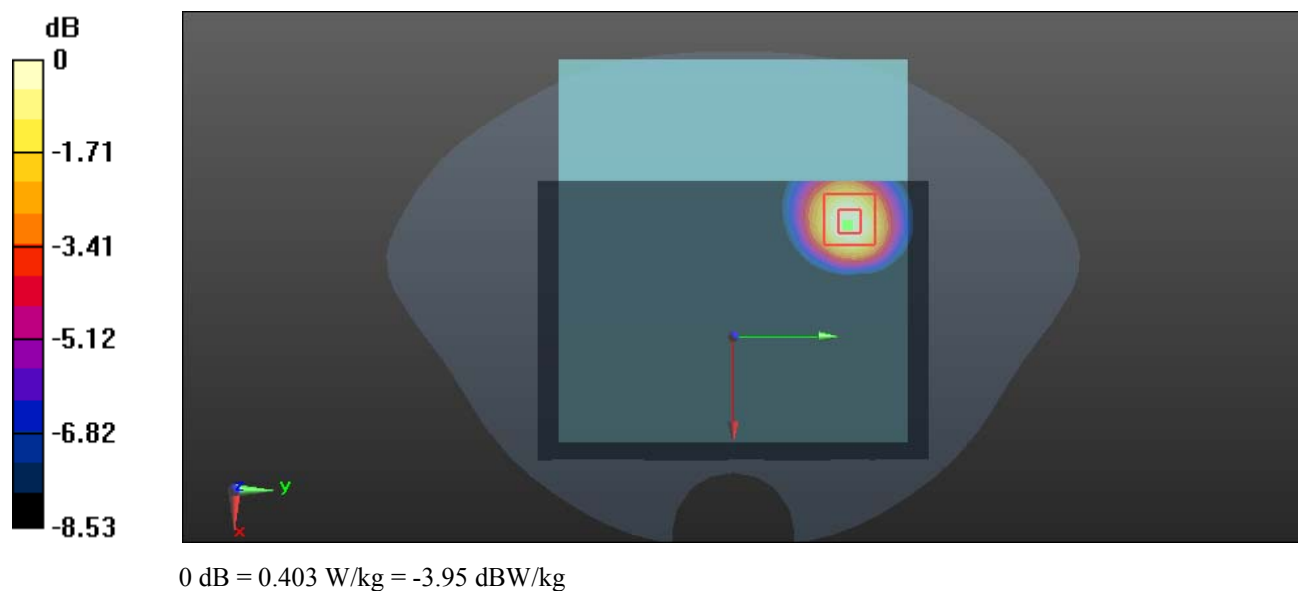
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.767 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.403 W/kg



Test Plot 3#: WLAN 2.4G Mode B_Close to Body Front_High_Chain 0**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11b 2.4GHz; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.812$ S/m; $\epsilon_r = 38.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.6, 7.6, 7.6) @ 2462 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (101x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.694 W/kg

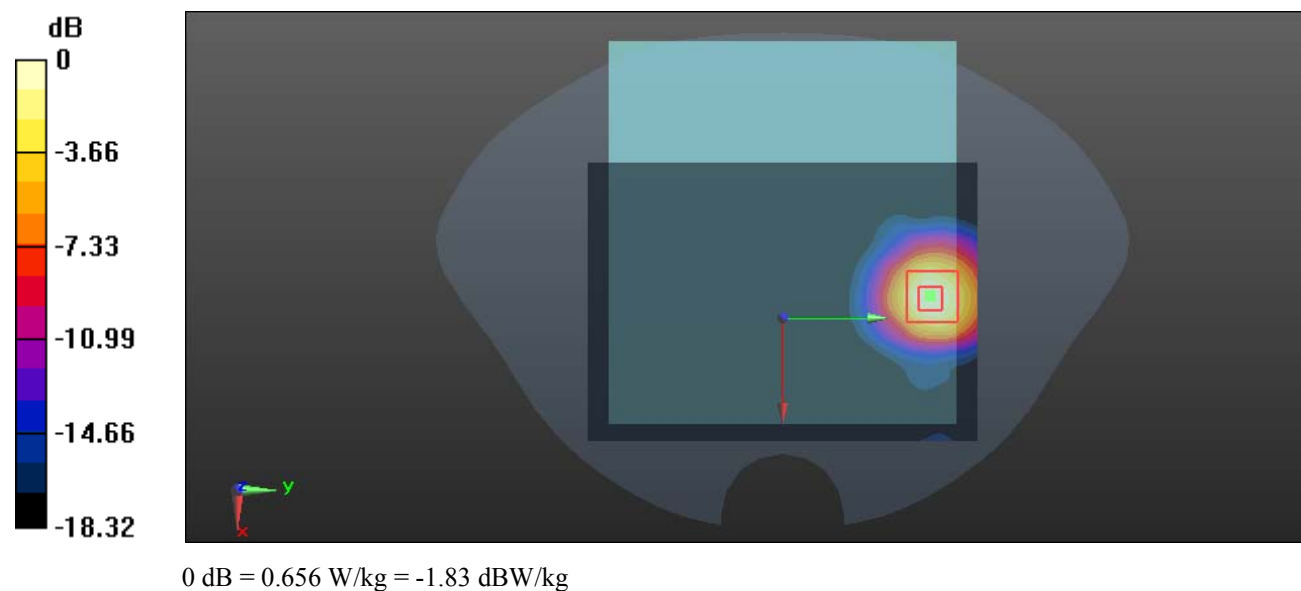
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.067 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.656 W/kg



Test Plot 4#: WLAN 2.4G Mode B_Close to Body Right_Mid_Chain 0**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11b 2.4GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.779$ S/m; $\epsilon_r = 40.241$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.6, 7.6, 7.6) @ 2437 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.128 W/kg

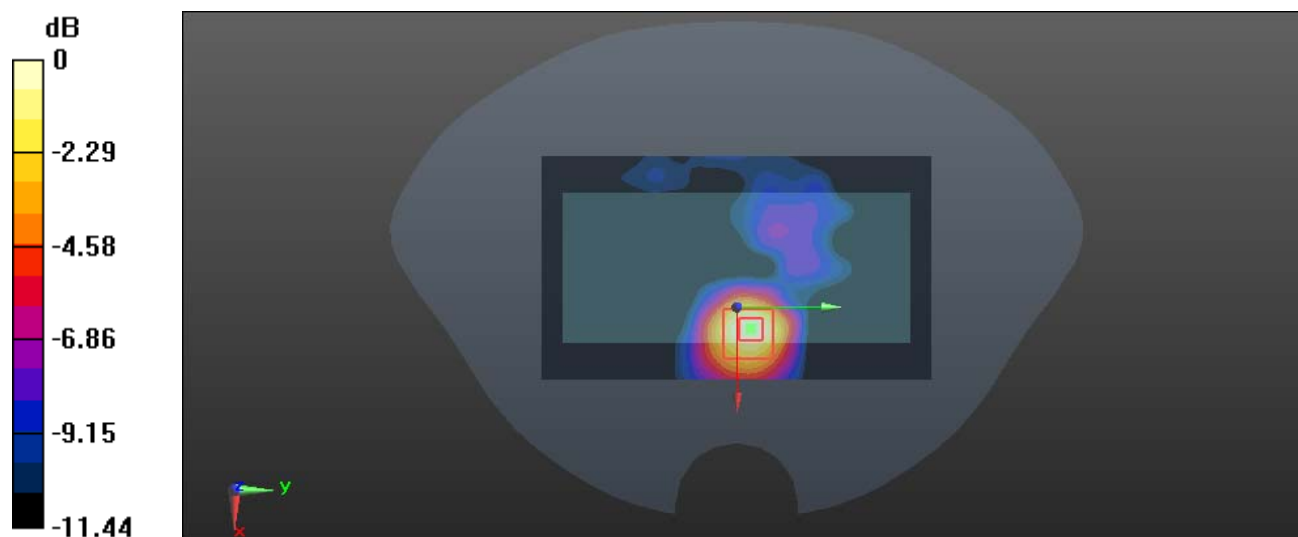
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.557 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.152 W/kg

SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

Test Plot 5#: WLAN 2.4G Mode B_Close to Body Front_Mid_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11b 2.4GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.779$ S/m; $\epsilon_r = 40.241$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.6, 7.6, 7.6) @ 2437 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (131x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.139 W/kg

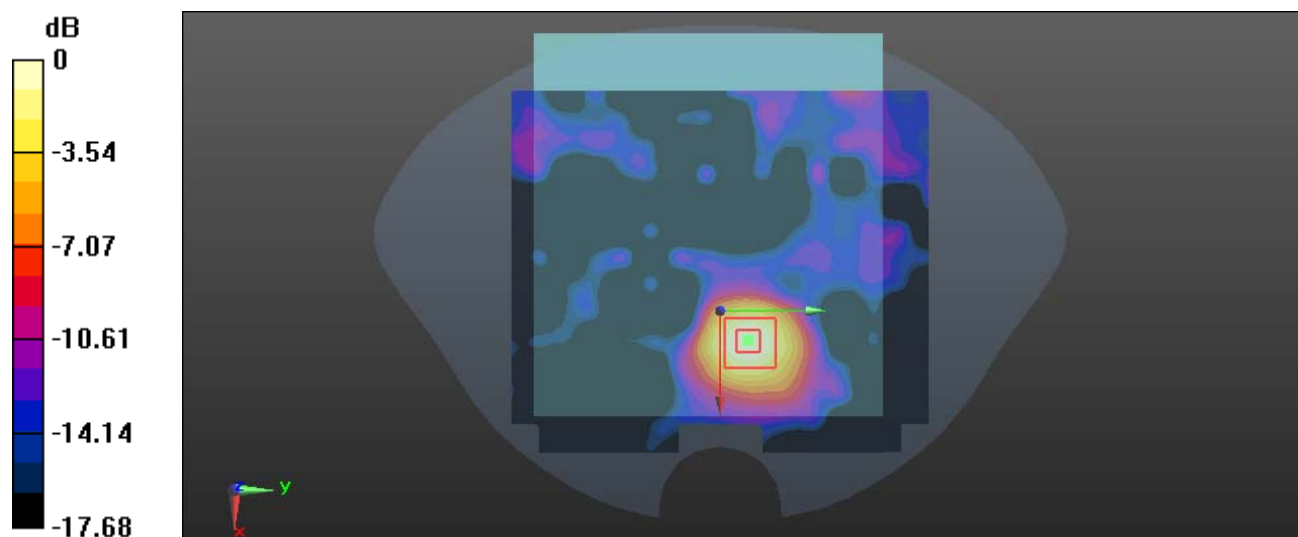
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.763 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.129 W/kg



0 dB = 0.129 W/kg = -8.89 dBW/kg

Test Plot 6#: WLAN 2.4G Mode B_Close to Body Bottom_Low_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11b 2.4GHz; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.763$ S/m; $\epsilon_r = 40.328$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.6, 7.6, 7.6) @ 2412 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.589 W/kg

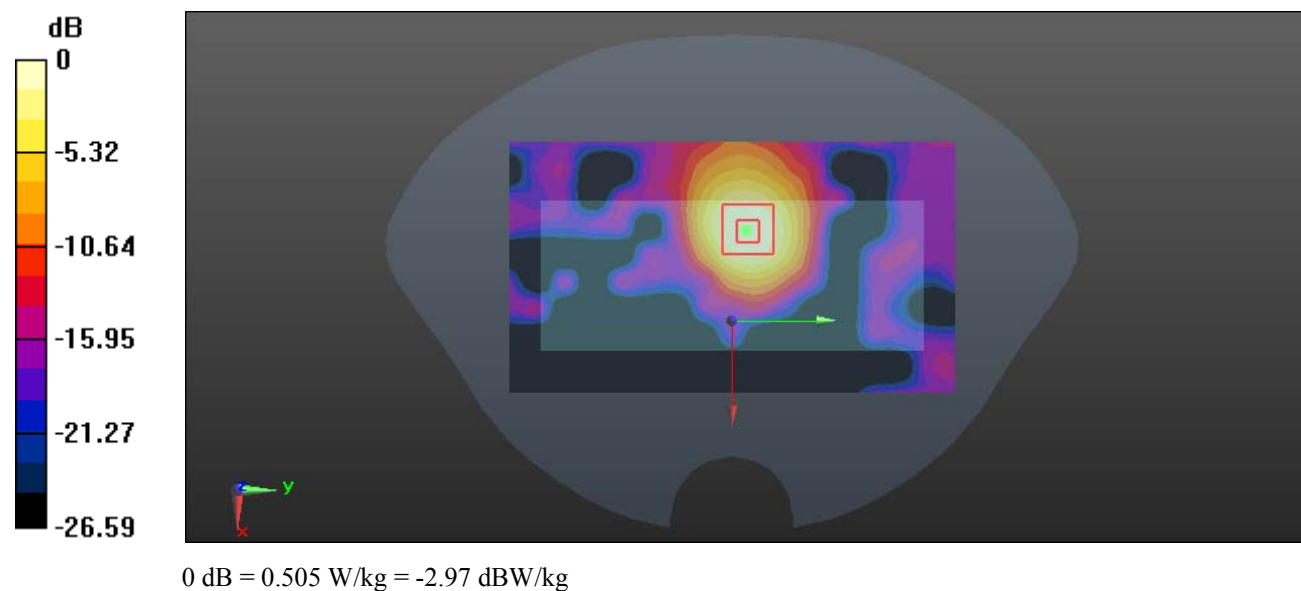
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.115 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.706 W/kg

SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.164 W/kg

Maximum value of SAR (measured) = 0.505 W/kg



Test Plot 7#: WLAN 2.4G Mode B_Close to Body Bottom_Mid_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11b 2.4GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.779$ S/m; $\epsilon_r = 40.241$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.6, 7.6, 7.6) @ 2437 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.644 W/kg

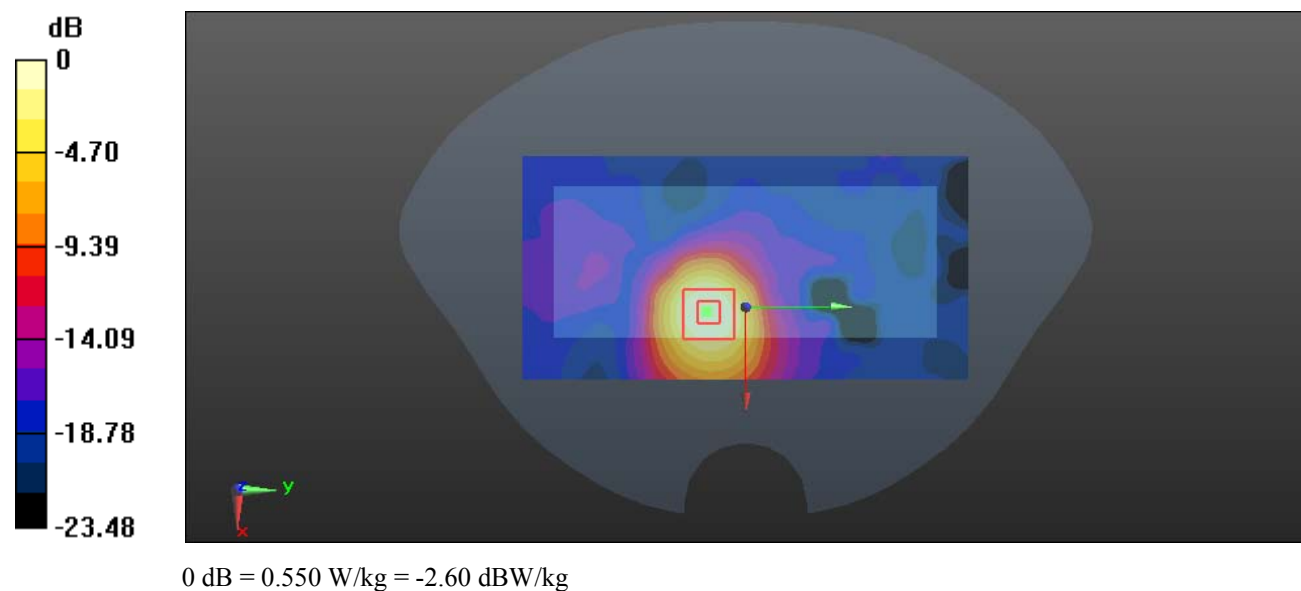
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.296 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.771 W/kg

SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.550 W/kg



Test Plot 8#: WLAN 2.4G Mode B_Close to Body Bottom_High_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11b 2.4GHz; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.812$ S/m; $\epsilon_r = 38.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.6, 7.6, 7.6) @ 2462 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.548 W/kg

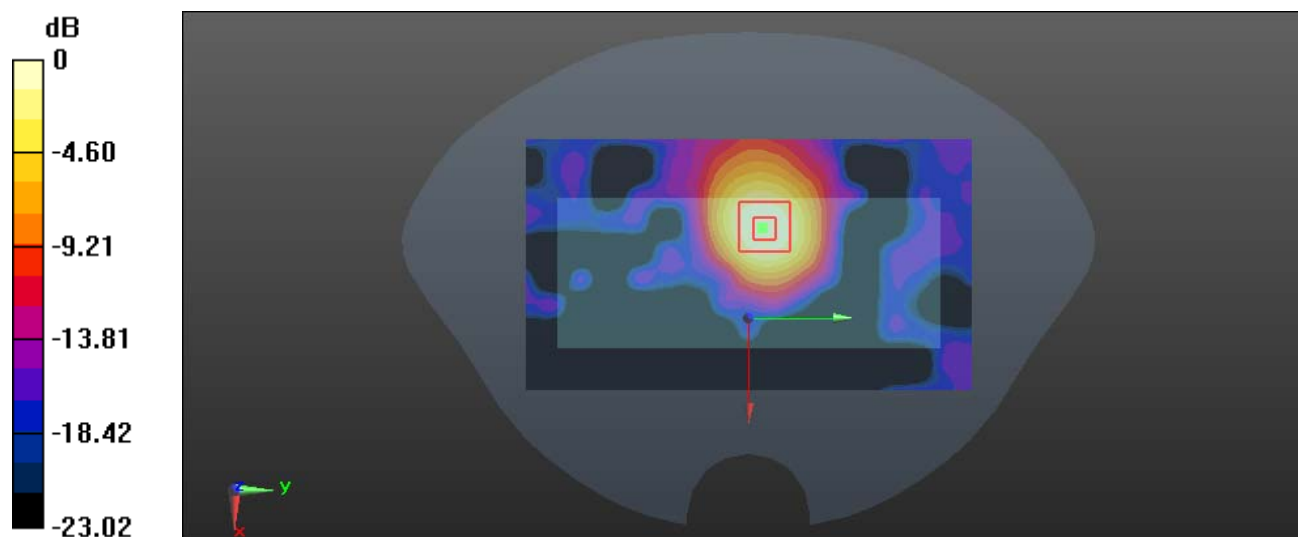
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.922 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.659 W/kg

SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.469 W/kg



0 dB = 0.469 W/kg = -3.29 dBW/kg

Test Plot 9#: WLAN 5.8G Mode A_Close to Body Front_Low_Chain 0**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

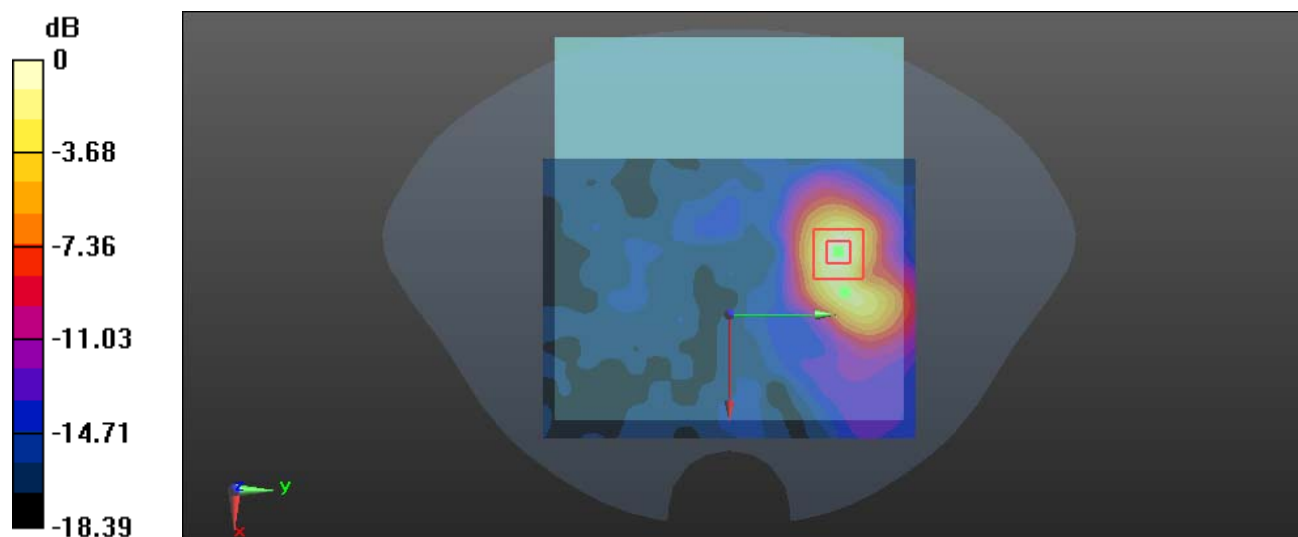
Communication System: IEEE 802.11a 5.8GHz; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.128 \text{ S/m}$; $\epsilon_r = 34.639$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5745 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (121x161x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 1.00 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 2.134 V/m ; Power Drift = 0.17 dB Peak SAR (extrapolated) = 1.80 W/kg **SAR(1 g) = 0.420 W/kg ; SAR(10 g) = 0.162 W/kg** Maximum value of SAR (measured) = 1.01 W/kg 0 dB = 1.01 W/kg = 0.04 dBW/kg

Test Plot 10#: WLAN 5.8G Mode A_Close to Body Front_Mid_Chain 0**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

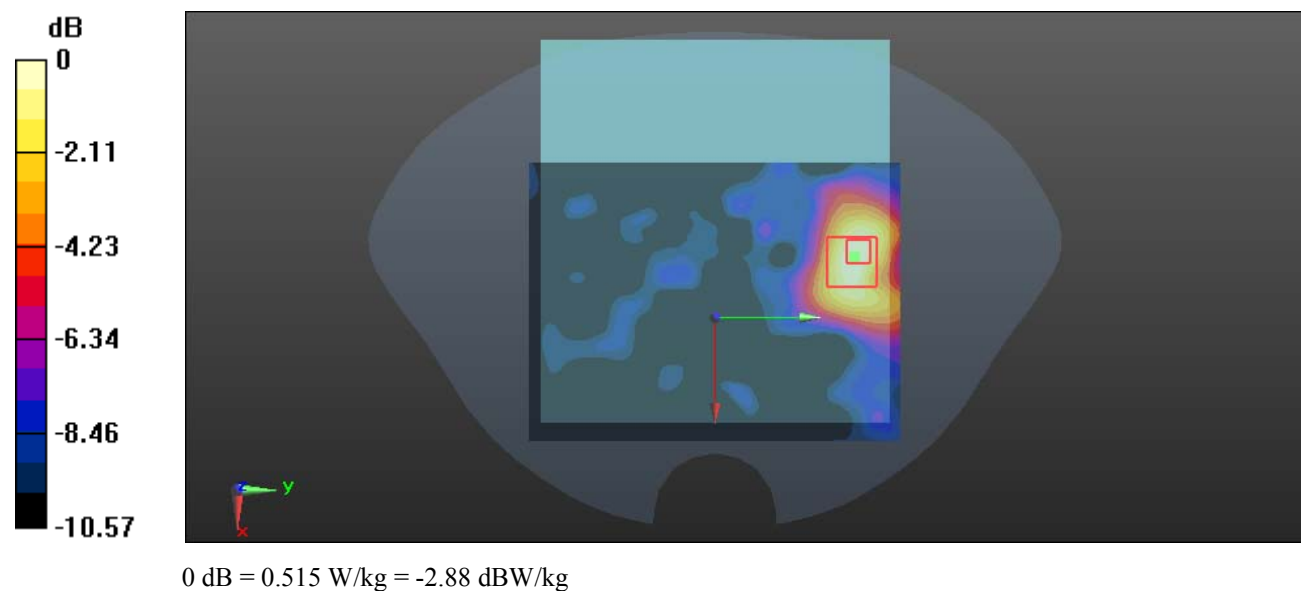
Communication System: IEEE 802.11a 5.8GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.261 \text{ S/m}$; $\epsilon_r = 34.492$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5785 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (121x161x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 0.524 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 3.647 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 0.978 W/kg **SAR(1 g) = 0.250 W/kg ; SAR(10 g) = 0.127 W/kg** Maximum value of SAR (measured) = 0.515 W/kg 

Test Plot 11#: WLAN 5.8G Mode A_Close to Body Front_High_Chain 0**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11a 5.8GHz; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.402$ S/m; $\epsilon_r = 34.167$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5825 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (121x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

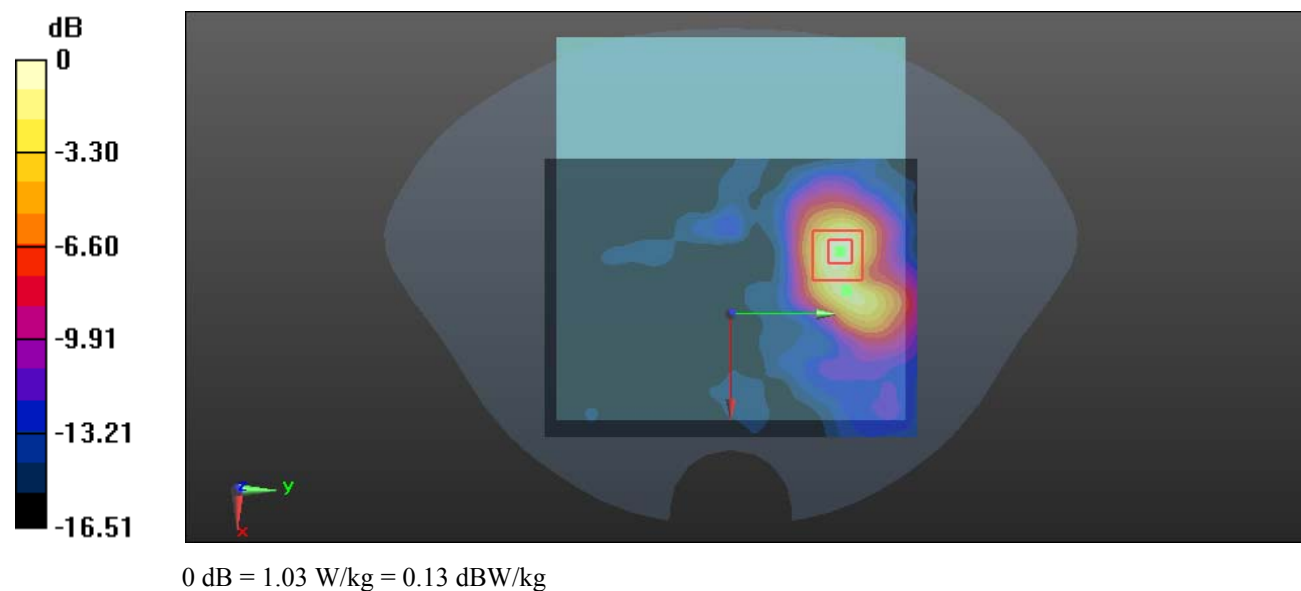
Zoom Scan (8x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 2.404 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



Test Plot 12#: WLAN 5.8G Mode A_Close to Body Right_Mid_Chain 0**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

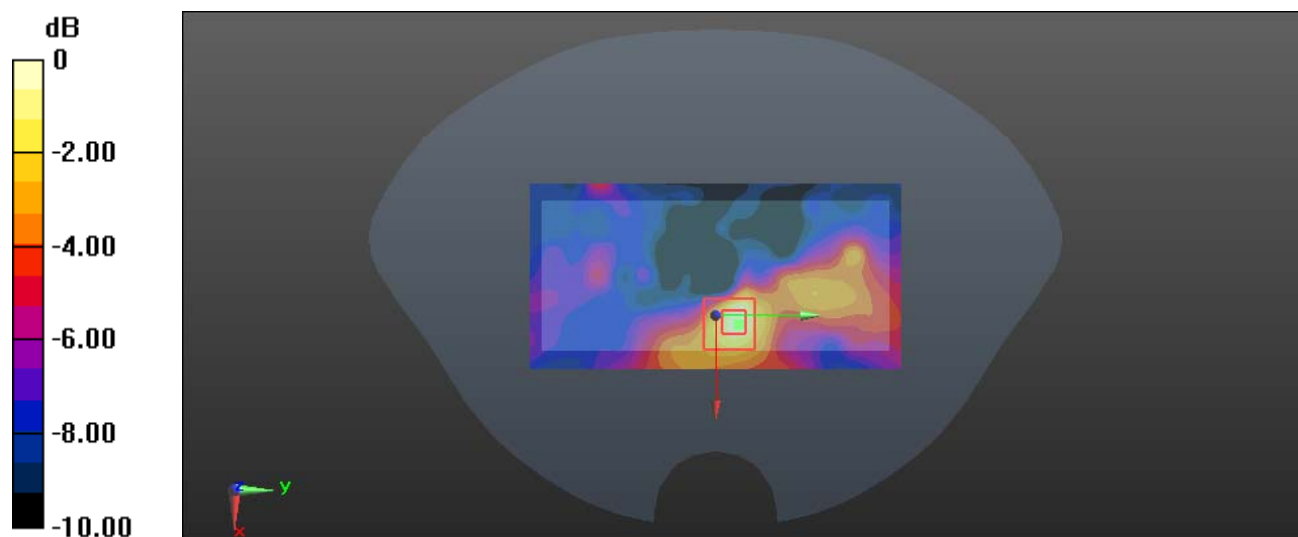
Communication System: IEEE 802.11a 5.8GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.261 \text{ S/m}$; $\epsilon_r = 34.492$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5785 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x161x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 0.188 W/kg **Zoom Scan (8x9x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 1.917 V/m ; Power Drift = 0.11 dB Peak SAR (extrapolated) = 0.308 W/kg **SAR(1 g) = 0.105 W/kg ; SAR(10 g) = 0.051 W/kg** Maximum value of SAR (measured) = 0.190 W/kg 0 dB = 0.190 W/kg = -7.21 dBW/kg

Test Plot 13#: WLAN 5.8G Mode A_Close to Body Front_Low_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

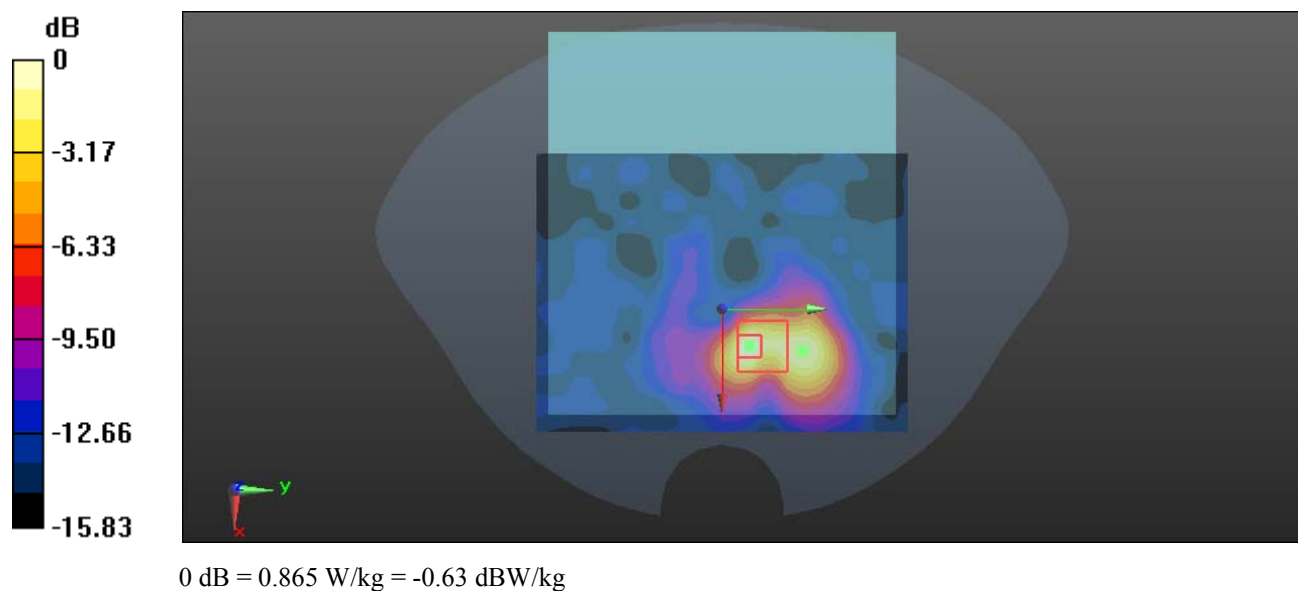
Communication System: IEEE 802.11a 5.8GHz; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.128 \text{ S/m}$; $\epsilon_r = 34.639$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5745 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (121x161x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 0.857 W/kg **Zoom Scan (7x8x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 3.015 V/m ; Power Drift = 0.19 dB Peak SAR (extrapolated) = 1.64 W/kg **SAR(1 g) = 0.356 W/kg ; SAR(10 g) = 0.143 W/kg** Maximum value of SAR (measured) = 0.865 W/kg 

Test Plot 14#: WLAN 5.8G Mode A_Close to Body Front_Mid_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

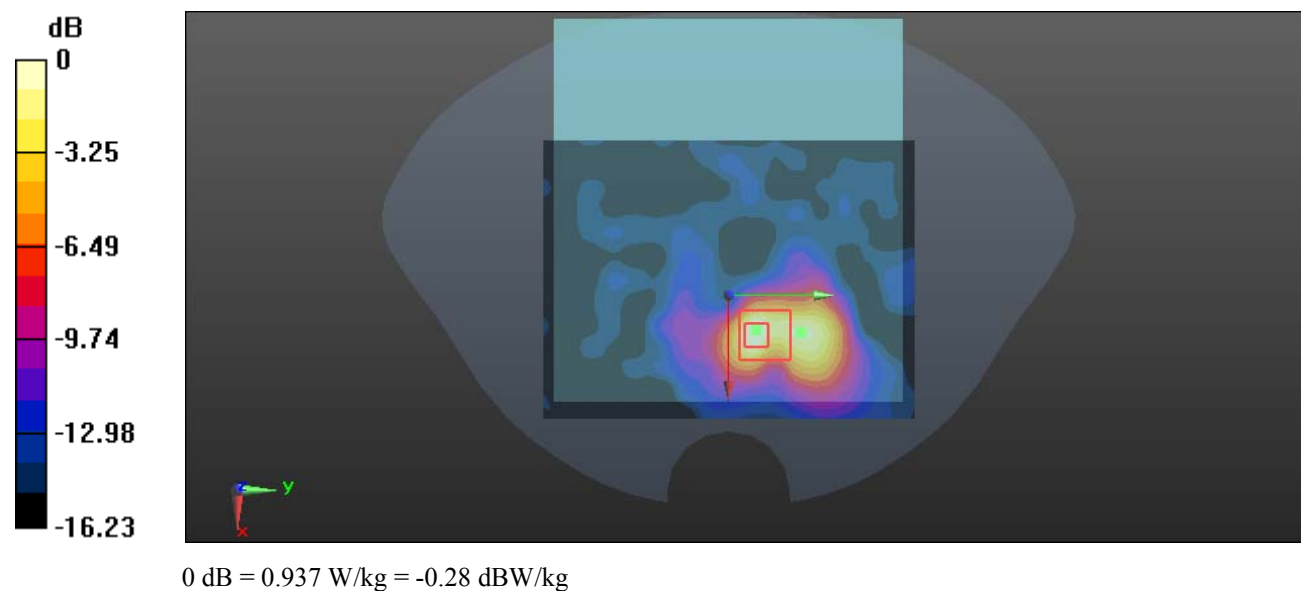
Communication System: IEEE 802.11a 5.8GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.261 \text{ S/m}$; $\epsilon_r = 34.492$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5785 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (121x161x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 1.10 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 2.148 V/m ; Power Drift = 0.14 dB Peak SAR (extrapolated) = 1.89 W/kg **SAR(1 g) = 0.398 W/kg ; SAR(10 g) = 0.150 W/kg** Maximum value of SAR (measured) = 0.937 W/kg 

Test Plot 15#: WLAN 5.8G Mode A_Close to Body Front_High_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11a 5.8GHz; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.402$ S/m; $\epsilon_r = 34.167$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5825 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (121x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

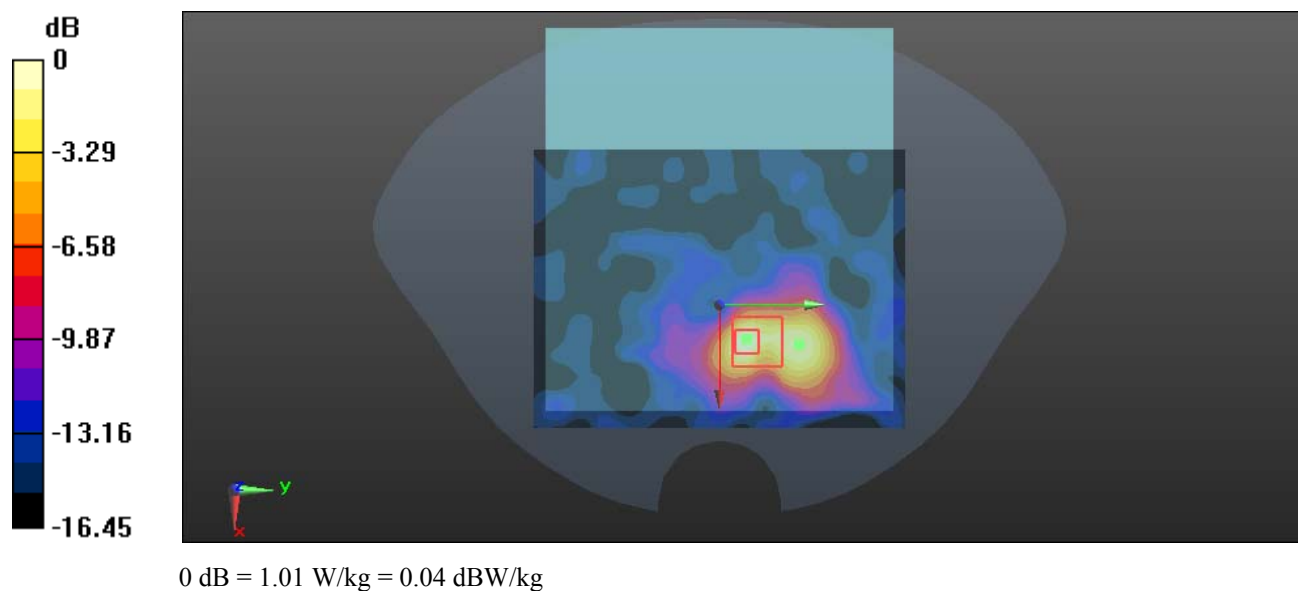
Zoom Scan (7x8x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.014 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



Test Plot 16#: WLAN 5.8G Mode A_Close to Body Bottom_Mid_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

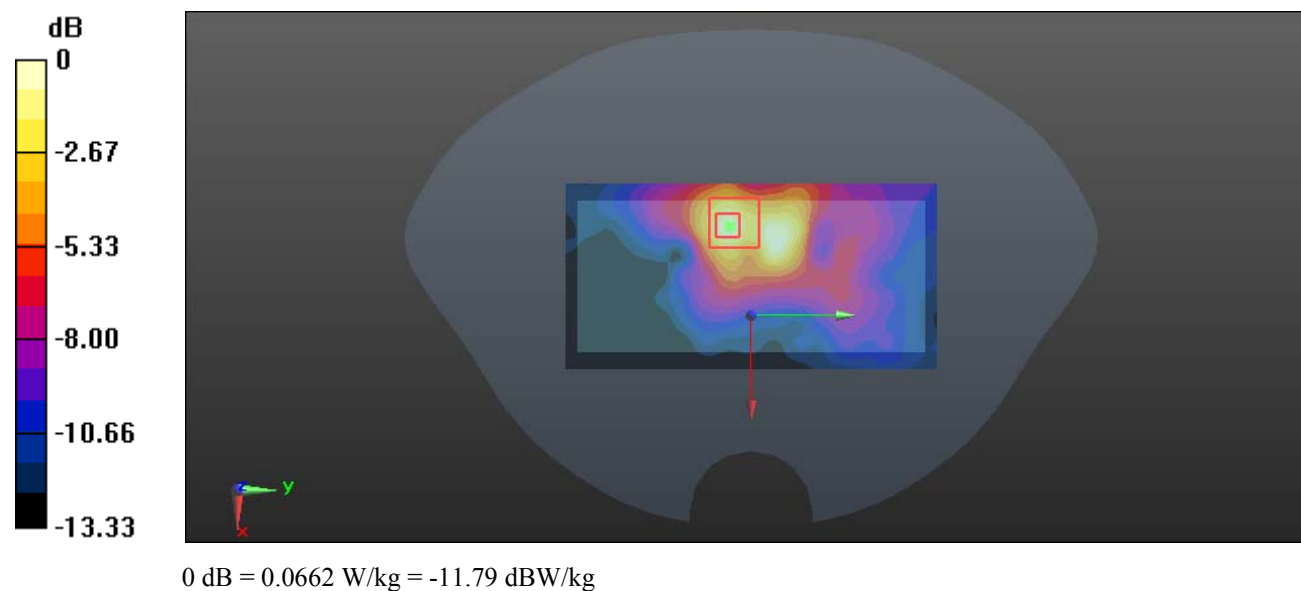
Communication System: IEEE 802.11a 5.8GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.261 \text{ S/m}$; $\epsilon_r = 34.492$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5785 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x161x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 0.0269 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 1.722 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 0.0660 W/kg **SAR(1 g) = 0.029 W/kg ; SAR(10 g) = 0.025 W/kg** Maximum value of SAR (measured) = 0.0662 W/kg 

Test Plot 17#: WLAN 5.8G Mode A_Handheld Front_Low_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

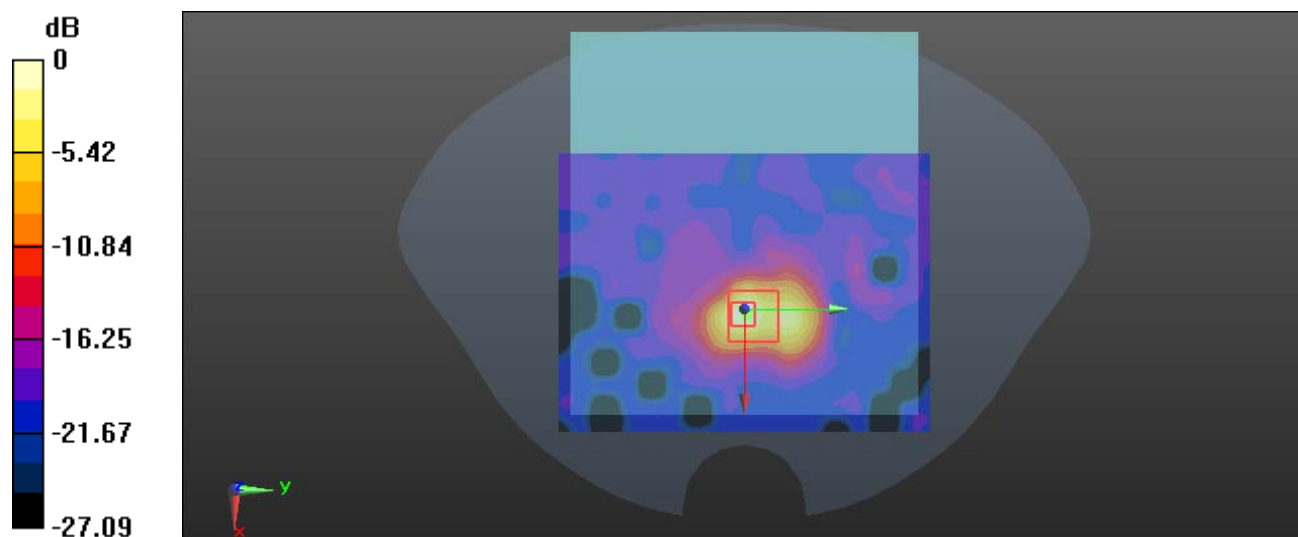
Communication System: IEEE 802.11a 5.8GHz; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.128 \text{ S/m}$; $\epsilon_r = 34.639$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5745 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (121x161x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 2.66 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 3.169 V/m ; Power Drift = 0.18 dB Peak SAR (extrapolated) = 5.56 W/kg **SAR(1 g) = 0.948 W/kg ; SAR(10 g) = 0.279 W/kg** Maximum value of SAR (measured) = 2.53 W/kg 0 dB = 2.53 W/kg = 4.03 dBW/kg

Test Plot 18#: WLAN 5.8G Mode A_ Handheld Front_Mid_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11a 5.8GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 5.261$ S/m; $\epsilon_r = 34.492$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5785 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (121x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.04 W/kg

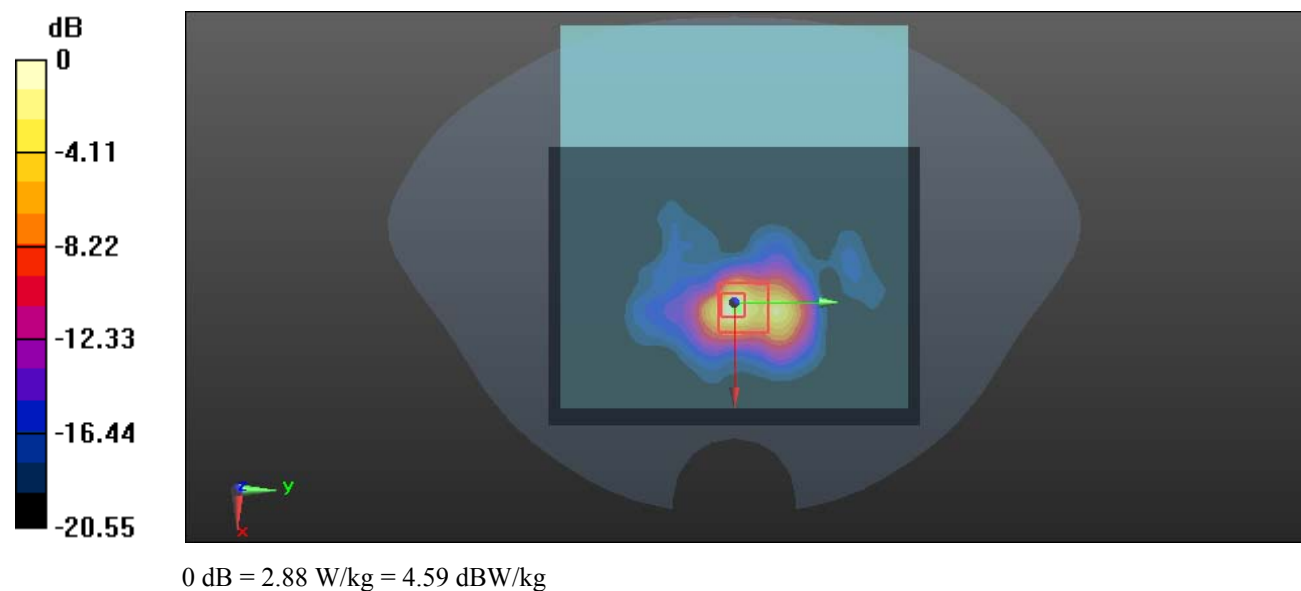
Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.312 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 7.06 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 2.88 W/kg



Test Plot 19#: WLAN 5.8G Mode A_Handheld Front_High_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11a 5.8GHz; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.402$ S/m; $\epsilon_r = 34.167$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5825 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (121x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.09 W/kg

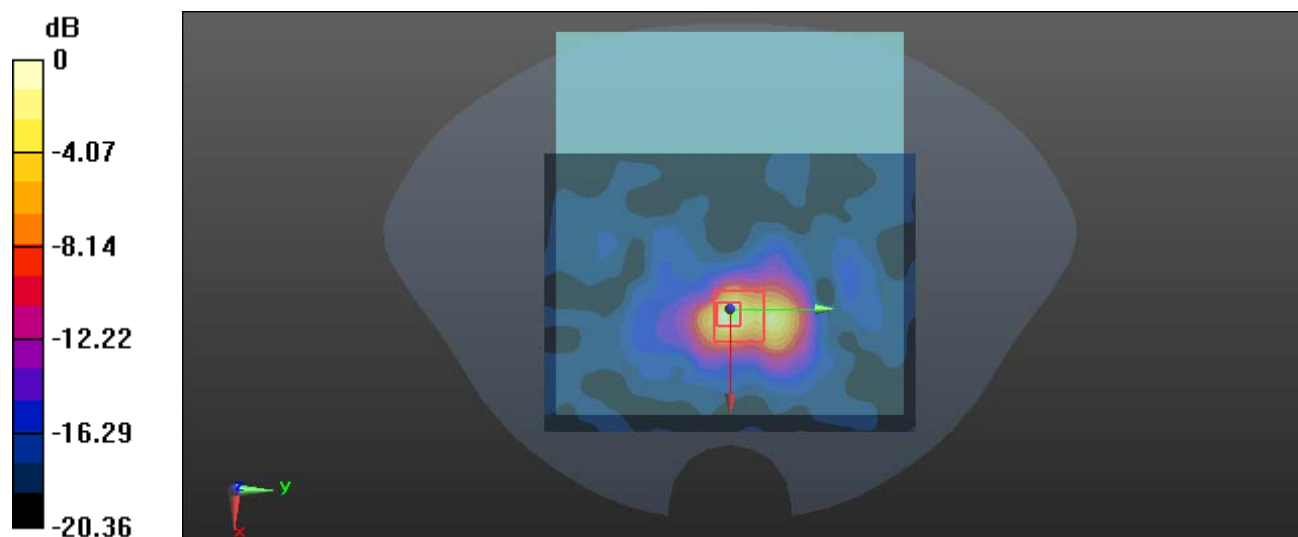
Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.150 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 6.66 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.320 W/kg

Maximum value of SAR (measured) = 2.95 W/kg



0 dB = 2.95 W/kg = 4.70 dBW/kg

Test Plot 20#: WLAN 5.8G Mode A_Handheld Bottom_Mid_Chain 1**DUT: CHASING underwater drone; Type: CHASING M2; Serial: RDG200522003-SA-S1**

Communication System: IEEE 802.11a 5.8GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.261 \text{ S/m}$; $\epsilon_r = 34.492$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.67, 4.67, 4.67) @ 5785 MHz; Calibrated: 2019/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x161x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 0.374 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 3.301 V/m ; Power Drift = 0.12 dB Peak SAR (extrapolated) = 0.710 W/kg **SAR(1 g) = 0.168 W/kg ; SAR(10 g) = 0.075 W/kg** Maximum value of SAR (measured) = 0.384 W/kg 